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In re Application of

WILEY

Application Number

08/548 368

Filed

11-1-95

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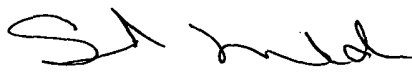
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[54] DNA ENCODING A CYTOKINE THAT INDUCES APOPTOSIS

[75] Inventors: Steven R. Wiley; Raymond G. Goodwin, both of Seattle, Wash.

[73] Assignee: Immunex Corporation, Seattle, Wash.

[21] Appl. No.: 670,354

[22] Filed: Jun. 25, 1996

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 548,368, Nov. 1, 1995, abandoned, which is a continuation-in-part of Ser. No. 496,632, Jun. 29, 1995, abandoned.

[51] Int. Cl.⁶ C12N 15/19; C07K 14/525

[52] U.S. Cl. 435/69.5; 435/69.5; 435/172.3; 435/252.3; 435/320.1; 536/23.1; 536/23.5; 536/24.31

[58] Field of Search 435/69.5, 172.3, 435/252.3, 320.1; 536/23.1, 23.5, 24.31; 935/11, 22, 66

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[57] ABSTRACT

A novel cytokine designated TRAIL induces apoptosis of certain target cells, including cancer cells and virally infected cells. Isolated DNA sequences encoding TRAIL are disclosed, along with expression vectors and transformed host cells useful in producing TRAIL polypeptides. Antibodies that specifically bind TRAIL are provided as well.

24 Claims, 2 Drawing Sheets